

Patent Application
Attorney Docket No. PC10299A

is inactivated.

15. The antigen composition of Claim 14, wherein said *E. rhusiopathiae* culture is inactivated with formalin or with beta propiolactone.

16. The antigen composition of Claim 12, wherein said fluid fraction is concentrated by about 3 fold to about 30 fold.

17. A vaccine composition comprising an antigen composition of Claim 12 and an adjuvant composition.

18. A vaccine composition according to Claim 17 wherein the adjuvant composition comprises from about 0.25% to about 12.5% v/v of a lecithin, from about 1% to about 23% v/v of an oil and from about 1.5% to about 6% v/v of an amphiphilic surfactant in said vaccine composition.

19. A method of making an antigen composition comprising adding a stabilizing agent to a fluid fraction from an *E. rhusiopathiae* culture.

20. A method of vaccinating an animal comprising administering to the animal an effective amount of the antigen composition of Claim 12.

21. A method of vaccinating an animal according to Claim 20 wherein the animal is a pig.

22. A method of vaccinating an animal comprising administering to the animal an effective amount of a vaccine composition of Claim 17.